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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/574,080	03/30/2006	Takuya Tsukagoshi	127599	8715
25944 OLIFF & BERI	7590 09/05/200 RIDGE, PLC	EXAMINER		
P.O. BOX 3208	350	ANGEBRANNDT, MARTIN J		
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			1795	
			MAIL DATE	DELIVERY MODE
			09/05/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/574,080	TSUKAGOSHI ET AL.			
Office Action Summary	Examiner	Art Unit			
	Martin J. Angebranndt	1795			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on <u>30 Mar</u> This action is FINAL . 2b) ☑ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-10 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examines 10) ☐ The drawing(s) filed on is/are: a) ☐ acceedable and applicant may not request that any objection to the or	r election requirement. r. epted or b)⊡ objected to by the B drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the correcti 11) The oath or declaration is objected to by the Ex-		•			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/30/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1,2 and 5-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maeda et al. '193, in view of Dhar et al. '576.

Maeda et al. '193 teaches the mixing of the holographic composition including the matrix precursor, the photopolymerizable componenents, the photoiniaitor and the sensitizing dye (coumarin) in a glass substrateto a thickness of 10 microns, allowed to cure the matrix for 10 hours and provided with a protective layer. This was then used to record a hologram and fix the hologram (12/35-13/61).

Dhar et al. '576 teaches with respect to figure 5, an optical article (29), and substrates (24,26), an adhesive film (28) and photocurable composition (27) and a holders (20 and 22). The substrates are held so that their outer surfaces are parallel prior to and during curing [0041-0045]. The optical articles can be holographic recording media and the adherent to be a photopolymer and the thickness of the adherent layer is 0.2 to 2 mm. [0078-0081]. The thickness of the adherent will be different for different applications. [0070].

It would have been obvious to modify the process of Maeda et al. '193 by adding a photoadherent layer between the holographic recording layer and the second support as taught by Dhar et al. '576 to allow the outer surfaces of the substrate to be fixed in a parallel arrangement

3. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maeda et al. '193, in view of Dhar et al. '576, further in view of Mizutani et al. '511.

Mizutani et al. '511 teaches a sealing agent for 10-40 micron thick hologams having a thickness of 50 microns. (example 1,11 and 5, (12/23-28)). The desire to make thinner devices is disclosed (18/29-30)

In addition to the basis above, it would have been obvious to modify the articles resulting from the combination of Maeda et al. '193, in view of Dhar et al. '576 by using thin thicknesses of the photoadherent, such as the 50 micron thicknesses taught by Mizutani et al. '511 to make the resultant articles thinner with a reasonable expectation of being able to protect the 10 micron holographic layer based upon this thickness being disclosed as suitable for 10-40 microns thicknesses.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Martin J. Angebranndt whose telephone number is 571-272-1378. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Martin J Angebranndt Primary Examiner Art Unit 1795

/Martin J Angebranndt/

Primary Examiner, Art Unit 1795

9/2/08